The Indian Poultry Gazette.

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FROM THE AUDITOR'S CHAIR.

As we go to press all eyes will be on the Allahabad Provincial show and though we are as yet not certain of being able to print the results of the show in this issue we are hoping to include them should they arrive from Allahabad in time.

Our mail bag during the month has been a varied one. From our old friend Mr. Luke we regret to learn he has had a clean wipe out due to fowl cholera which includes his two new trios sent out only last month. From Calcutta we learn that a well known lady poultry keeper has met with similar disaster and has lost all her birds due to, we believe, roup.

On the other hand we have received letters telling us that some of our members are going great guns, more eggs and better prices than ever and as for ourselves we have started 1932 with greater production in eggs than ever and demand for stock and sittings is greater than we have ever known it.

At present we are not able to give definite information but we have to inform readers that the Gazette office will soon be transferred to another part of India most likely Behar and Orrissa and apart from the slight disorganisation due to tha transfer we trust normal conditions will soon prevail again. A little bird has whispered that there might be a change in Editors soon but as to this we cannot give any definite information at present.

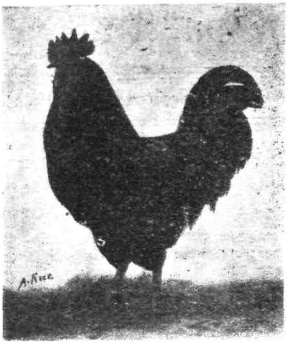
The "Poultry World" Year Book has, unfortunately, not reached us yet but as soon as it arrives copies will be sent to the long list of people who have ordered copies. For those who wish to obtain a copy from the limited number allotted to us we would advise them to order early or the supply will soon be exhausted. We are pleased to see the number of subscribers to that well-known weekly 'Poultry World' is increasing and for those who would wish to become subscribers to Britain's premier weekly poultry journal this office can supply direct on arrival weekly at the yearly subscription of Rs. 10/8/-.

"Indian Poultry Culture" which made it's appearance at the All India Show, we are pleased to say has found it's position among Indian poultry keepers and we are advised that the Agricultural Department of the Bengal Government are adopting it for use in their instructional work and are purchasing many copies for distribution at their various instructional centres.

The book is written in the simplest of language in both Bengali and English and for the small price of Rs 2/4/- should be on every poultryman's book-shelf.

An item of news that will surprise many and also make some wonder at the Government's action when India is crying out for more and more instruction in agricultural work is the abolition of the poultry section of the Punjab Government Agricultural Department. We learn that this is to take place soon and we cannot but remark that this is undoubtedly a step in the wrong direction. Would only other provinces take note of the United Provinces and put their poultry section in the place it so rightly demands. And has any other province ever noted the results of the U. P's concentration on the poultry section ?, its large farm at Lucknow today, its benefit to the poor peasant farmer, to the province in general, and now, we belive, is a flourishing section almost free of Government subsidy. Results !! Today the U. P. is recognised as the home of poultry in India.

To Capt, Sherrard Smith, M. C. our Hon Show Secretary of the Allahabad provincial show we tender our best thanks for a really fine show and we trust visitors and members thoroughly enjoyed a show which we ourselves deeply regretted stress of business prevented us from attending.



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No. 2 pen per setting Rs. 15.—Headed by imported cock, 1st Lucknow 1930, fully acclimatised, proved sire of winners, his son was placed 1st in class Calcutta 1931, mated to 8 selected pullets sired by cockerel placed 2 in class at Calcutta January 1931.

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"THE FARM AMONG THE PINE TREES."

JUDGE'S REPORT OF THE ALL INDIA EXHIBITION.

Ancona.

There were only three exhibits in two classes, and now that we have seen the catalogue, we note that they are all from the same exhibitor. There was considerable difference in the plumage coloring of the hen and pullet. The judges decided in favor of the hen as it was in closer conformity with the English Poultry standards.

Anstralorps.

The placing of the pullet class was exceedingly close between No. 19 and 20. In the hen class, bird No. 15, resembled the orpington type too much. In the cockerels light undercolor was much in evidence and one or two combs were thumb marked. Single plumage too commison.

White Leghorns.

The Leghorn classes as a whole formed the second largest section of the exhibition, the Rhode Island Reds having the largest section by one or two exhibits. There was good competition in the white Leghorn Cockerel, hen and pullet classes, Exhibits were lacking in the white Leghorn cock class, there being only three entries. Out of these three cocks only one award was given as the others were not deemed worthy. Bird No. 25, was especially criticized for a squirrell tail, pink earlohe, coarse comb and for being a bit sappy.

In the white Leghorn cockerel class, bird No. 31 was disqualified because two wing flight feathers had been cut off in corresponding places on both sidies. We strongly suspect that this was done more by intention than by accident to get rid of undesirable feathers. This procedure on the part of exhibitors is to be *strongly condemned.* We would urge that the birds be rather left as they are with their blemishes than to resort to questionable practices. On the whoie, the class was one of good utility birds ; Several birds were badly sunburnt and put them at a cosiderable disadvantage. Some combs had a tendency to be too big and beefy. By the number of squirrel tails noted, it is evident that breeders are not cutting rigidly enough on this point. On the whole we can say that the cockerels exhibited will be good birds for breeding pens.

In the white Leghorn Pullet class many birds were too big and upstanding for the Leghorn type. Breeders will have to be careful in crossing Exhibition and Utility birds, to note this feature. While there was an absence of dark feathers there was a noticeable defect in earlobe marking. Combs were a bit coarse in places. The class as a whole was fairly well put down. On the whole the birds are to be commended for their good utility and exhibition breeding points. The 1st & 2nd carded birds were outstanding.

The White Leghorn hen class on the whole was exceedingly good, particularly in utility points. A few birds were not in good condition. Some combs were inclined to be big and coarse. One or two bumble feet need looking after. Some birds too large and coarse for Leghorn type.

Black Leghorns.

There was no competition in the cockerel class. No prize was given to the only exhibit No. 74, *because of coarse comb, squirrel tail,* white feather in tail showing poor wattles.

One award was made in the pullet class to No. 76. It may be noted that neither birds exhibitied in this class were truly representative of the Black Leghorn type, the birds being chiefly too upstanding.

Minorca.

There were only four entries in the cock or cockerel, and seven entries in the hen or pullet classes. Two awards only were given on the first and two in the latter.

Wyandatte.

The cock or cockerel class was exceedingly good and difficult to judge. Cockerel No. 159 would have gone a long way in the show had it not suffered from a very noticeable depressian in its rose comb.

The hen or pullet class containing ten exhibits, out of which two exhibits for awards were chosen.

Eggs.

The eggs formed one of the best exhibits in the show and were worthy of more prominent display than was the case. The classes were exceedingly good and the judging difficult. On the whole, the white eggs were superior to the brown and tinted classes.

Rhode Island Red.

This was the largest section in the exhibition. There were only two entries in the cock class. Cock No. 93 was given V.H.C. over cock No. 92 who was criticized for being coarse, comb poor, and hackle too ginger.

There was good competition in the R. I. R. cockerel class. On the whole the color was exceedingly good, undercolor very good. Combs fairly good but inclined to be small. The wing markings only fair, in some cases, entirely absent. The birds on the whole were of good size and good utility type.

The R. I. R. Pullet class was the largest pullet class in the exhibition. The competition was very strong between twenty eight entries. On the whole the color of the pullets was good and even. Many birds failed in neck hackle feather ticking and wing feather markings. Several combs were inclined to fall over. In a few cases eye color was too light. Type generally was good, the handling capacity exceedingly good.

Orpington and Plymouth Rock.

Four birds only were exhibited. More fancies should be encouraged to exhibit in the more uncommon breeds in order to improve the educational aspect of the exhibition.

Light Sussex.

The cockerel class as a whole was poor. Bird No. 149 was thrown out by the Judges because ot feathers clipped in the tail. Colors had a tendency towards being brassy.

The hens as a whole were badly put down.

Crossbreed.

In several cases the entries looked like culls from purebred stock. This section of the show should be encouraged.

The Servants Class.

There were only a few entires and birds were not very good.

(SIGNED) J. HANSON.

The exhibits on the whole were excellent in type. Breed points and condition. The Rhode Island Red birds were particularly good in colour and type. Judging was exceedingly difficult in such good classes. Poor ticking in the hackles of the Pullets, bad or absent wing markings in all sections were the chief defects. Light eyes were far too common. Pullet No. 143 was a grand bird as also Cockerels Nos. 104 & 99 Leghorns were good on the whole, the winning birds being excellent in in type and condition. There were however far too many heavy, stalky birds of non leghorn type. In a one section show, even if any show, these birds stands no chance against the neat, sprightly, egg producing type carded at the show. Pullet No. 70 was an ideal bird.

This class were exceedingly well put down and not a single black or mottled feather was observed in any bird.

Australorps are popular judging by the entries. The cocks and cockerels were superior in type to the hens and pullets which were more nearly of the Orpington build.

Purple plumage was the most marked defect in this breed. Many exhibits were also light in weight.

We are pleased to see the Minorca bred to more *sensible points as regards comb and wattles.* Some excellent birds of good type and utility propensities were displayed, colour, wattles and combs were fine in most exhibits. Squirel tails were chief defects.

We would have liked to have seen more entries in the Sussex classes, but the birds shewn were very good. The markings on the whole were nice but more attention is needed in this respect. It must also be borne in mind that this is a pure white breed save for the required markings and tail.

It must therefore be as carefully prepared for show as a white leghorn if the beauty of the bird is to be brought out. This section was badly put down in this respect. Condition and Handling were excellent.

The two Plymouth rocks shown were very fine birds in all respects.

The eggs exhibit was the tit bit of the show. Eggs of large size and excellent quality were put up. The judges were disappointed to see this first class exhibit relegated to the back ground, surely where the main object of the Poultry Club is the production of better and more eggs this exhibit should be given prime consideration and pride of place.

The exhibit should be on the cup table, and the eggs placed on cake plates covered with sky blue tissue paper. With this back ground the fine texture and bloom of the eggs is shewn up and the quality displayed.

The breeding trios were some what disappointing through the winning pen of leghorns were very fine indeed, in excellent condition and beautifully put down.

The second pen of leghorns were also good.

The heavies were poor compared with the lights. Breeders must remember please that the cross breed class is not the place for mismarked or bad shaped pure breed birds. No bird of this category wil get a award of any description.

The judges were surprised to note that some 20% of the birds suffered with bumble foot. This ailment is easily prevented by having lower perches and a cushion of sand on hard floors.

The defect was dealt with leniently by the judges but exhibitors should remember that in close contests this defect may cause a bird to miss a red card.

Under present conditions the selection of the best bird in the show is a farce. How can one compare the merits of a Leghorn Cockerel, Rhode Island, Red Pullet, a runner duck, a rose comb bantam, a Sussex Cock, a Bronze Turkey and an Asil with any degree of fairness.

This award should be confirmed to Pure breed chicken classes only, excluding bantams.

The birds were well penned and the arrangements very satisfactory indeed.

(Sd.) F. CLARIN BOULD.

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PROVINCIAL POULTRY EXHIBITION.

The Poultry Exhibition held at Allahabad on the 23rd and 24th January was, as the American would say, "A howling success." The number of exhibits were well over two hundred. If there was any disappointment as to the Paucity of exhibits, there was never a doubt as to their quality.

The entries came from all parts of India, the standard being exceptionally good. Each class and section was keenly contested and the judges had no easy task in spotting the winners.

Sir Grimwood Mears, the Chief Justice of Allahabad spoke on the need for the encouragement of the Poultry industry in this country, and lady Mears very kindly presented the several valuable cups.

H. E. The Governor's Cup, for the best bird in the show, bred in India, was annexed by a Rhode Island Red Cockerel owned by Mrs. Sherrard Smith. The bird was a splended specimen and fully deserved the prize. Mr. A. E. Slater judged Australops, Leghorns and other Breeds. Mr. R. L. Panday judged Rhode Island Reds, the Selling Classes and Trios. Mr. Nur-Ul-Islam judged Minorcas, Light Sussex, Wyandottes and Cross-breeds and some other breeds.

Mr. Reuel Burn a local fancier assisted the three judges in judging the exhibits for the Challenge Cups and Special prizes.

The display of Cups given away was exceptionally good but it was a matter of great disappointment that the Challenge Cups did not arrive in time from Calcutta for the distribution.

The other lucky winners were as follows:—

PRIZE WINNERS.

Challenge Cups (Members.)

The Best Utility Bird—R. I. Red Cockerel owned by Mrs. Sherrard Smith.

The Best Breeding Trio—R. I. Red owned by Mr. Klyne Aitkins.

The Best R. I. R. Pullet—R. I. Red owned by Mr. Klyne Aitkins.

The Best Australorp—Australorp Cockerel owned by Mr. S. K. Sham Shad Ali.

The Best Minorca—Minorca Hen owned by Mr. S. K. Sham Shad Ali.

Challenge Cups (Open.)

The Best Bird in the Show—R. I. Red Cockerel owned by Mrs. Sherrard Smith.

The Best Bird in the Show—Won by Minorca Pullet owned by (Opposite sex to Governor's Cup) Mr. A. E. Slater awarded to Silver Laced Wyandotte hen owned by Mr. Mahboob Elahi.

The Best Light Sussex—Won by Light Sussex Hen owned by U. P. P. A. awarded to L. S. Pullet owned by Mr. Syed Istafa Hasan.

The Best Asil—Asil Medium Cockerel owned by Mr. Klyne Aitknis.

Special Prizes (Open.)

Best Bird Bred in India—Won by Minorca Pullet owned by Mr. A. E. Slater awarded to White Leghorn Pullet owned by Mr. Barry.

Best Bird Bred in India Heavy Breed—R. I. Red Cockerel owned by Mrs. Sherrad Smith.

Best Bird exhibited by a novice—R. I. Red Cockerel owned by Mrs. Sherrard Smith.

Best Bird exhibited by a servant—R. I. Red Pullet owned by Ghafoor.

Best Drake or Duck—Muscovy Drake owned by Mrs. E. S. Carleton.

Best Collection of eggs—Eggs Brown owned by Mrs. E. S. Carleton.

Best Bird in Selling class—Light Sussex Pullet owned by Mr. S. K. Sham Shad Ali.

Best Pigeon—Pigeon Homer Cock owned by Mr. Klyne Aitkins.

EXTRA PRIZES (Open.)

Other than those who have won cups.

Best Australorp—Australorp Cockerel owned by Mr. P. N. Ghosh.

Best White Leghorn—White Leghorn hen owned by Mr. Klyne Aitkins.

Best Minorca—Black Minorca pullet owned by Mr. R. B. Kadri.

Best R. I. Red—R. I. Red Cock owned by Mr. Klyne Aitkins.

Best Cross Breed—Won by Cross Breed Hen owned by U. P. P. A. awarded to Cross Breed Pullet owned by Mr. Klyne Aitkins.

Best Imported Bird—Won by Light Sussex Cockerel owned by U. P. P. A. award to R. I. Red Cockerel owned by Mr. S. K. Sham Shad Ali.

Best Orpington—Buff Orpington owned by Mr. Mahboob Elahi.

Best Wyandotte—Wyandotte owned by Mr. Mahboob Elahi.

Best Bird in Breed not mentioned above—Polish Hen owned by Mr. Mahboob Elahi.

Bill "Who won t'turkey, Landlord ?".

Landlord: "A-a, Bill lad, I won t'turkey—warn't I lucky ?"

Bill "Tha war lucky—an' who won't goose ?"

Landlord : "Mi wife won t'goose—warn't she lucky ?"

Bill : "She war lucky—an' who won t'couple o' chickens ?"

Landlord : "Well, Bill, our 'Lisbeth Ann won t'chickens. Warn't she lucky ? (pause). Let's see, Bill. Tha'd a hoaf craan share in 'adn't tha—an' tha did't pay on ?"

Bill : "Yes, I 'ad lad. Warn't I lucky ?"

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1. **A. E. SLATER,** ***Manager.***

POULTRY KEEPING FOR PROFIT.

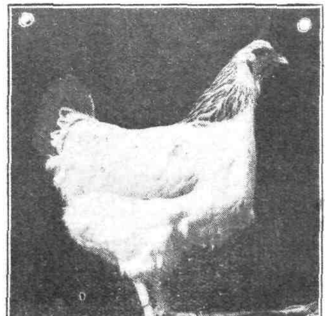
Starting a Poultry-Farm.

By—**LIONEL WATSON.**

Whatever ones' political opinions may be, it is evident that the moment is opportune for the development of home-produced-foodstuffs. Not the least important and profitable of ventures in this direction, is poultry farming. 'Can a living be made out of poultry' ...is the first question to be unswered. 'Yes'...but *it is not quite so easy as* many people imagine and this for obvious reasons. Few business undertakings can be successful without some experience and poultry keeping is no exception to the rule. On the other hand, 'poultry-as-a-hobby', a *few birds kept in the garden*—is a knowledgeable foundation on which to go ahead. There is, however, a wide gulf fixed between profits from the 'hobby' point of view and those required as a business proposition. Emphasis is being made on this side of poultry-keeping, so as to avoid any possibility of misunderstanding that egg-production is merely a matter of getting a flock of birds and assuming, *thereby, that the bank-balance will automatically* increase ! It can be accepted that 2 years of practical experience gained as 'a backyarder' is a far greater asset, than that obtained from the reading of books or any theoretical treatise.

By these means only can the embryo poultry farmer gain valuable first hand information as to the methods of feeding, rearing and management to get the best possible results. Without this essential knowledge, errors may be made in the running of a big farm sufficient to cause such losses that recovery may be almost impossible.

Take for example the matter of feeding. This particular item is referred to, because it is becoming increasingly evident that a proper system of feeding,



LIGHT SUSSEX PULLET *(By kind permission of Poultry World).*

more than any other single factor, makes for success; while an improper system is usually the direct cause of failure. There must be no using of cheap offals and low-grade foodstuffs on the score that economies are being effected. What a will o' th' wisp such an economy proves itself to be ! The poultry-keeper who has experimented with various foodstuffs knows only too well that good sound reliable food is essential ; knows also that for the rearing of chickens successfully and for producing eggs in numbers, the daily feeding of Biscuit Meal is not only advisable but very necessary. During the past few months this invaluable product has *declined in price* to such an extent that the slight extra initial outlay is now neglible. Biscuit Meal an ingredient for the wet mash-feed, which is absolutely indispensable for its proper balance, palatability and digestibility. On no account leave it out of the mixture.

Knowledge regarding food and feeding must be obtained before capital has been invested, and serious *poultry farming* begins. The importance of preliminary training, apprenticeship, or whatever you like to call it, cannot be strongly or too persistently emphasised. Even with such knowledge at one's finger tips, when *it comes to the actual starting* of the farm there are many points to consider, numerous pitfalls to avoid. Subsequent articles will briefly deal with these points.

Poultry Keeping Book—Free.

Those interested in the 'profit-making' side of poultry-keeping are invited to ask for a copy of "Poultry Keeping for the Masses". This book has been written by an acknowledged expert. It is free for the asking. Write to the Editorial Office of this paper. Free advice on all poultry matters is also *available. Write to the same address.*

ADVANTAGES OF RANGE SHELTER.

Summer range shelters for pullets make it possible for the flock to obtain the advantages of open range conditions and at the same time offer the birds protection from summer heat and rains, says C. M. Ferguson, extension specialist in poulry at the Ohio State University.

In building such a shelter, he points out, it is best to follow tested plans. In general, the low gable roof type of range shelter has proven to be the most satisfactory. It is close to the ground, resists the wind much better than the high type, and is of such shape that it can be made from light material.

Plans drawn by the state university show a shelter 9 feet, 10 inches wide, 18 inches high at the eaves, with an even roof span and a 5 foot 10½ inch rafter. A plan of this kind *permits the use of 1in. x 3in.* material for the frame and the use of building board for roofi g. The closely compressed type of building boards are best, he states. They should, however, be treated with a coat of asphalt roofing paint.

An *8 foot shelter will accommodate from* 100 to 125 birds. The ends, sides, and floor of the shelter are constructed of wire. This protects the pullets from the attacks of foxes and weasels, and the wire floor

THE

BOOK OF THE YEAR

"INDIAN POULTRY CULTURE"

(Copy Right)

BY

Capt. A. O. FODEN, B.S.B.C., B.P.C,

Hon. Editor: INDIAN POULTRY GAZETTE.

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aids in getting the pullets to roost early. They prefer getting on the roost next to the roof than to sitting on the wire floors.

By placing skids under the shelter, it may be moved easily. This makes it easy to clean and to transfer to new locations on the range.

COOLNESS AND CLEANLINESS ESSENTIAL.

In all cases, but especially in hot weather, cleanliness is essentail in the poultry run, and houses must be cleaned out regularly, for this is the time insects breed. Now that the fine weather is here, it is the time to whitewash the cabins (if you have not already done so) and give them a thorough turn-out. A good formula for whitewash is as follows:—

Half a bushel of lime. 2lbs. sulphate of zinc; 1lb. Common salt; ½lb. whitening.

Slake the lime in boiling water, strain well and add the above to it. When mixed, add also half half half-pint of hot liquid glue. This whitewash will not rub off.

First of all, remove everything from the cabins, then brush down the walls, etc., with a stiff brush apply the whitewash by spray or brush, then scrub out the nest-boxes and dropping boards with warm water and soft soap, and paint the perches and sockets with creosote to prevent red mite.

When the houses are dry again replace the fittings and put plenty of insect powder on the dropping boards. Keep the houses as cool as possible. During a spell of warm weather they are likely to get hot and stuffy, however often they are cleaned out. If the sheds are the type that have glass shutters, these may be replaced by canvas ones, made waterproof by being painted with hot melted paraffin wax. Open all windows and ventilators and keep the doors open.

This little extra work will repay you by the extra eggs the birds will lay, if they are kept free from insect pests.—V. M. F. Ring.

"We've got a hen over at our place that laid an egg six inches long.".

"Aw, that's nothing. We can beat that over at our place."

"How?"

"With an egg-beater, of course."

PROTEIN IN EGGS.

The proteins found in 8 to 10 eggs equal that in one pound of fresh meat. The eggs is 13·4 per cent. protein—a word derived from the Greek, meaning "of first importance." Protein foods build and repair the body tissues.

Proteins found in milk and eggs are said to be complete proteins because they are used in the body for both growth and repair. All protein foods are not complete proteins. Both the egg white and yolk contain protein, but the white the greater proportion. That egg proteins are complete might be surmised from the fact that within the shell are all the elements necessary to produce the chick.

LITTLE THINGS THAT HELP YOU TO GET A BETTER HATCH.

By—CAVAS JUSAWALLA.

The breeding season is on, incubators and nest boxes are getting aired and disinfected, eggs have been collected at this time if I give my little experience I gained at "The Hebbal Poultry Farm" in Bangalore I think it would come in handy. It is given with a spirit to ensure a better hatch, to get more fowls in the world and eliminate the percentage of "dead in the shell" and it should be taken so.

On this farm we had turkeys, geese and both heavy and light breed of English fowls. We were not quite successful with the first two as far as artificial hatching was concerned but did well with the fowls.

SICILIAN BUTTERCUP PULLET.

The most important thing for successful hatching is a good make of incubator, there are many on the market, one that is least affected by the vagaries of the weather will prove the best. We had a "Hearson Champion" and it never gave us any cause for complaint.

The incubator was placed in a room not quite suited for it. This room served as office, library and a part of it as a storing place, here nicknacks like nails, belts, tins stone crusher machine, jaws, bags of cement were stored and in the little empty space against the wall, the cycle fitted in snugly. The hut was made of "Kucha" brick and heavily plastered with mud; the roof was of granite slabs—the last thing that should be in an incubator room as it gets very hot and takes time to cool.

The room measured 12′ × 8′ and was just 6½′ high. It has two big windows and a door. The place being situated right out in a plantation was very quiet and had good airation. Nights were dead quiet with the exception of a bark from "Sheila" or "Prince," the warning cough of the old Chowkidar or the neighing of "Rufus" from under his poor shelter. The adjoining room, equally bad, bigger in dimension belonged

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Prices per sitting of 15, N. R.

Chittagongs ... ... Rs. **12/-**
Other Breeds ... ... „ **20/-**

Capt. S. R. CARROLL.

Deoli.

12 RAJPUTANA.

to the poultryman, here too the roof threatened not to stand a second storm and that it would sandwich the manager and his outfit against the floor. This was not a Government farm, things had to be taken as they were, the betterment of the place depended on the profits shown.

In a place like this we got a 40% hatch to start with. The "water tray" required filling every other day and occasionally a piece of wet flannel was placed on the eggs. The eggs were turned twice a day. The incubator was so placed as to have free access to air but not in direct draught. Every other day the lamp was cleaned, crust removed from the wick and oil fitted; one bottle (brandy) of Kerosine oil lasted two fillings. The conditions remaining the same we got 43% result from the second hatch; and for a time did not go over 45%. Thus we came to the month of February starting from the last week of October. During all these hatches the incubator was run with a full load of eggs about 60 to 62. The average was taken after removing the infertiles. Once out of 20 eggs placed we got 18 chickens and every one of the 10 eggs placed hatched out and this in March.

We stopped hatching till June. Started again in the beginning of July but did not get enough supply of eggs to run the incubator full. The highest percentege reached was 47. The next November from the same birds, same incubator and a little changed way of working we reached 80% success. Two consecutive hatches gave us the same percentage—the November and the December hatches. The December and the January hatches gave us 75%, we came down to 65% in February and March. In no case did we place eggs 15 days old. In November and December we placed eggs 12 days old and between January to March 10 days or under. The little changed way is as follows:—

A special stand was erected for the incubator—a strong square shaped one 3 ft. 4 inches high. This had no top at all. The dimension of the square was such to take the incubator in it easily; the incubator rested on its own projecting sides and not the legs; 1 ft. 6 inches down from the centre of the incubator we fixed a vessel tied to the legs of the stand by stout wire; this vessel was filled with water. This way the machine had a free access to air cooled by the water in the vessel. We used tin vessels, the halves of round cheese bowls served well a mud vessel would be better. In case your incubator has its own stand, I mean if it is shaped like a table, remove a plank or two of the floor and tie the vessel to the legs of the incubator. In some places it would not be necessary to have the vessel, but as far as free airation is concerned try the above way and I am sure you will do better. The success of increase in the percentage of hatch might not be solely due to the "little changed way." There are so many other points too—yet I am sure it went a long way. I did not stay there long to do more work with the incubator but would like to know from others if they have found out means of getting better hatches—so that a combination of methods would greatly help to solve the vexing problem of "The dead in the Shell."

FIND YOUR MARKET.

If you have not had the kind of market you like for your eggs and surplus poultry, try to build up a better one. Perhaps you can find and keep some private customers in your own locality. If that is not convenient, arrange a contract with a hotel or restaurant in some big town not too far away. In any case, if you are not satisfied with your market, you can find or create better one if you really try. To build up a private trade takes patience, perseverance, regularity, uniformly high-grade eggs and well-fattened chickens, and good business management, but none of these things belongs to genius. They should be possible to any average poultryman.

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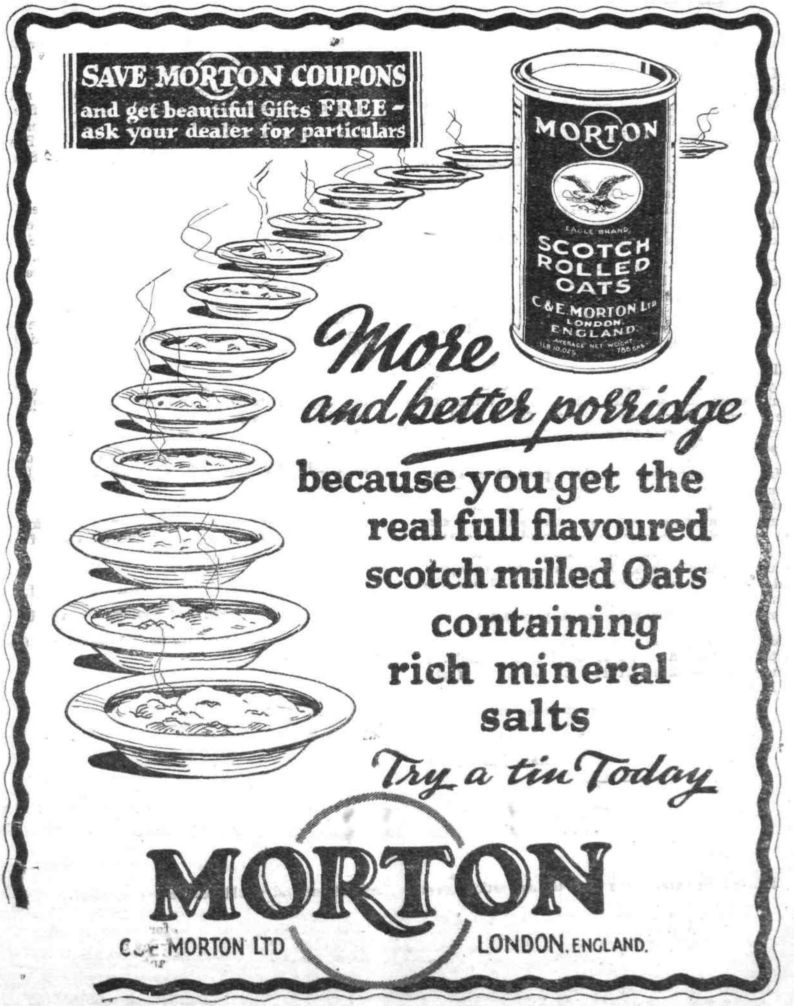
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LETTERS TO EDITOR.

MADAM,

I and Dr. I. B. Turkinan of the U. P. Poultry Association, Lucknow, proposes to import from Basra (Mesopotamia) pure bred Basra fowls which are now so well known for their egg-laying qualities and for their adaptability to Indian climatic and conditions.

The ideas is to send someone to Basra in April next provided we get at least orders from different purchasers for at least 200 fowls. A poultry expert would then proceed to Basra, stay there for a month and select good typical Basra paying special attention to colour, qualities for mating and strains.

The price for a pen of seven birds (1 male, 6 females), would be about Rs. 25 to 30, for although the fowls are ordinarily sold cheap there at Basra the cost of carriage, shipping charges, and the remuneration of the Expert will have to be added to the cost of the birds.

The Basra's are very good layers, lay well although they do not look well, but good selected birds will no doubt command ready sale. The eggs are white and the weight is 2 oz. or there about. The U. P. P. A. Lucknow are proud of the record of the Basra's they imported several years ago.

Intending purchasers should deposit at once their money with you, taking as many hens and as many males and females as they like, for the greater the number of purchasers and birds purchased the lesser the cost price of one single bird would be. In April the Poultry Expert will sail for Basra and return in about a month's time. I guarantee that only good and reliable birds will be purchased. Should the number of birds fall short of Rs. 200 the money so received will be returned to various purchasers.

My experience of Basra fowls has prompted me to write this letter in a spirit of confidence. I think my remarks will be corroborated by the Secretary of the U. P. P. A. Lucknow.

Yours respectfully,

Sd/- S. K. SHAMSHADALI,

Khetri, Rajputana.

DEAR MRS. FODEN,

I have long been thinking that the All India Poultry show should take place in Delhi.

I understand correspondence in this connection did pass on between the Club and a Mr. L. O. Stuart Smith of the Commerce Depart. Government of India, New Delhi last year, but because Mrs. Bruen of Bombay had offered to take it up Mr. Stuart Smith's offer could not be availed of.

While I was at New Delhi recently to interview the animal Husbandry Expert, Imperial Council of Agricultural Research, I also saw Mr. Stuart-Smith and suggested to him to run the 1932 All India. He gladly consented to it and assured me of a successful show.

He also said he would be easily able to get the land and the necessary assistance of every kind in Delhi.

I would, therefore, suggest that the Club avail of this opportunity and entrust this to the gentleman mentioned before in this letter.

The dates, I would add, may be sometime about the middle of January 1933 when the season in Delhi is in full swing.

I need hardly mention that my services for the show in any capacity are at the disposal of the Club.

NUR-UL-ISLAM,

COMMITTEE MEMBER FOR THE U. P.

Hon. Secretary and Treasurer, Asil Club

Editor's Remarks.—We think the suggestion above an excellent one and would like readers' opinions.

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Light Sussex. Sittings from Winner Harper Adams Trials. 1st Prize, England. Rs. 20/- per dozen.

White Orpingtons. 1st Prize. From Rs. 30- a Trio. Settings Rs. 16/- per dozen.

Cockerels from these two record strains Rs. 20/- each. (8 months old.)

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1st Pen ... ... Rs. 10/- per sitting
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A. O. FODEN,

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White Leghorns :—The 'Chashara' Leghorn is now know all over India as hardy, prolific, and *the goods.*

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Pen No. 1 ... Rs. 12/- for 8 eggs.
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For particulars apply to :—

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My recently imported LIGHT SUSSEX won at the All-India, January, 1931, Cup for best Sussex in show, also one special, three firsts and one second. Eggs Rs. 10/- per half dozen.

My pen of WHITE LEGHORNS is headed by a cock whose sire's dam laid 322 eggs in twelve months. Eggs Rs. 12/- per dozen.

K. D. GARRISON,
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INDIA' BEST IMPORTED Leghorns.

The finest stock availabl in England and *only landed this month.*

Cockerel's dam and sire's dam laid 525/528 in 24 months.

This bird heads a pen of 10 hens with records of 270/288 in 12 months.

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February onward young stock will be available and booked in strict rotation.

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Eggs :—From General Pens Rs. 6/- dozen, Special Pens Rs. 12/-, Extra Special Rs. 20/-, Super Special Rs. 25/- dozen.

Infertiles (if any) replaced free.

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Eggs Rs. 12/- per dozen, Day old chicks and Breeding stock at reasonable prices.

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A £ 5 PRIZE.

Maintain the stamina and quality of "Sperrin" strains by keeping them pure. We offer each year a cockerel value £ 5 as special for best bird at All India show bred in India from our strains, with no outcrossing. If you cannot import, then enquire conditions and purchase eggs from those who have our imported stock. Geo. Howard.

Conditions under which special prize value £5 will be granted by Mr. Howard, Sperrin Poultry Farm, Langley, Hitchin.

(*a*) Cockerel value £ 5 to be given to exhibitor owning the bird judged to be the Best Bird exhibited at the All India Poultry Show and which has been bred in India from pure 'Sperrin" strains, *i.e.* where both sire and dam are pure Sperrin birds.

(*b*) Exhibitors to notify on their entry forms to the Show Secretary any bird that is eligible for this award.

(*c*) The cockerel will be sent out to India the following season in time for the following All India Show and must be entered for that show by the winner.

(*d*) Winner to name breed required, and need not necessarily be same breed as that of bird that won, provided breed required is one that is stocked by the "Sperrin" Poultry Farm.

(*e*) All expenses to Indian port will be paid by donor. Collection and onward charges from Port to be paid by winner.

(*f*) The value of cockerel (£ 5) is that of bird delivered at Indian port, and will be of similar grade to those exported with £ 10 and £ 12 trios.

? ? ?

Questions under this heading are answered free of charge on this page.

Letters should be addressed—BUFF ROCK, C/o. The Hon. Editor, I. P. GAZETTE and marked "Query".

Where readers desire an individual reply they should enclose a stamped addressed envelope and a fee of As. -/8/- is charged.

Mr. H. Lahore. *The probable cause of the complaint* is that the machine is not on a level stand and though it may not even up if properly levelled you will find there will be a difference which will assist results. Are you sure it is not in a position that a passing current of air is inclined to cool the *front* of the machine? Why not try hanging a piece of blanket round it to a height of about a foot over the top? This would stop any stray air currents getting to the machine but be careful it does not catch fire at the lamp.

Mr. T. Ramnagar. These two breeds will not sex link. If you are bent on linking I would suggest you purchase a good Rhode Island cock. Males will be cream or whitish and females a *darker shade of buff*.

Mrs. S. Hyderabad. I think the results of the hatch are due more to the parents than the conditions of the hatching. Though fertility is proved it is not proved, if the germ was of a hardy nature or not though as you state five of the eleven died at different periods of the hatch I would be inclined to say the fault was in the breeding pen and not the broody. Can you give me the conditions under which the *breeding pen is* housed, fed, mated, etc., and I might be able to trace the fault for you. Write to me direct.

Mr. L. Murree. I should not be in a hurry to blame the party who sent the sitting to you as you will realise the eggs must have taken about 6-7 days to reach you, might have been 2 to 3 days old when they left the seller, have been exposed to the heat of the sun for periods whilst en rout to you, have been subjected to shocks and bad handling, etc. Why not write a nice letter to the seller and I am sure he will be willing to help you out by sending a few more to lessen your disappointment.

Mr. F. Chand. Champaran. The main features which you will have to take into consideration are experience, enthusiasm to succeed, and the fact well and truly understood that hard work is going to be the thing that will make or mar your scheme. Your capital is sufficient and ground, soil, etc., excellent for your requirements but I would advise you to obtain more knowledge first or why not look for a working partner with more knowledge who will be able to assist you and can be sure if he has capital in it he will *help you to make a success of the undertaking*. As regards market, etc., India is one big market if you know how to dispose of your stock.

Mrs. W. Calcutta. Undoubtedly the breed for you is the Leghorn. I *should advise you to start* now with a sitting or two of eggs from a reliable breeder, or with a few young chicks. According to your sketch you have sufficient room for about 20 birds without crowding. Reliable books on the subject are "Poultry *farming in the East*", "Indian Poultry Culture", "Successful Poultry Breeding" and for a specialist breed "The Leghorn" all of which I think can be obtained from the Editor.

Mr. G. Kola G. F. *This is simply common* chicken pox and the treatment is to remove all affected and suspected birds to a seperate place and paint with a 50% solution of Milton. Do this daily for 3 to 4 days and you will find the scabs dry up and fall off. *When this starts to take place rub in* carbolised vaseline. Cure is usually complete in 14 days.

Mr. D. Samastipur. It is not a good principle to mate a male of lesser *record to females of higher* records and not to be recommended. By the pullet records given I would advise you to obtain a male from some reliable place whose dam's record was not under 250 if you wish to obtain best results. I am afraid now however *it is late in the season to think* of this. Most breeders will have sold out or mated up and not be inclined to part with a male of this type.

Mrs. F. Barackpore. The best first feed and the one mostly advised by *the best authorities on chick* raising in India is coarse or medium coarse ground oatmeal which should be given little and often, about 6 times a day for the first week. After this a little fine cracked wheat and millet can be introduced into the feed and toward the 3rd week they can be slowly weaned to the dry mash feed if you so wish. Milk in place of water is quite good but take care it is fresh of soured milk will upset them very quickly.

Postal replies have been sent to the following readers.—Messrs. Hilton, Graves, Sarafat Ali and Mrs. Gordon.